

1. TRANSMITTED DATA

1-1 CHANNEL MESSAGES

[H]:Hex, [D]:Decimal

Status [Hex]	Second [H] [D]	Third [H] [D]	Description
8n	kk (kk)	40 (64)	Note Off
9n	kk (kk)	00 (00)	Note Off
9n	kk (kk)	vv (vv)	Note On (vv = 1~127)
Bn	00 (00)	mm (mm)	Program Bank Select (MSB) [*1]
Bn	20 (32)	ll (ll)	Program Bank Select (LSB) [*1]
Bn	40 (64)	vv (vv)	Damper Pedal
Bn	42 (66)	00/7F (0/127)	Sostenuto Off/On
Bn	43 (67)	vv (vv)	Soft Pedal
Bn	cc (cc)	vv (vv)	Control Change
Cn	pp (pp)	- -	Program Change [*1]

n : MIDI Channel (0~15)

vv: Value

[*1]: Program :MIDI Out
 C-700 PIANO1~STRINGS :mm,ll,pp = 00,04,00~06
 GM1~GM128 : = 38,00,00~7F
 Drum1 : = 3E,00,00
 Drum2 : = 3E,00,08
 Drum3 : = 3E,00,10
 Drum4 : = 3E,00,18
 Drum5 : = 3E,00,19
 Drum6 : = 3E,00,20
 Drum7 : = 3E,00,28
 Drum8 : = 3E,00,30

C-550 PIANO1~STRINGS :mm,ll,pp = 00,04,00~06
 Bass1~Bass8 : = 38,00,20~27
 Drum1 : = 3E,00,00

1-2 SYSTEM COMMON MESSAGES

Status [Hex]	Second [H] [D]	Third [H] [D]	Description
F2	ll (ll)	hh (hh)	Song Position Pointer
F3	ss (ss)	- (-)	Song Select

1-3 SYSTEM REALTIME MESSAGES

Status[H]	Description
F8	Timing Clock [*1]
FA	Start [*1]
FB	Continue [*1]
FC	Stop [*1]
FE	Active Sensing

[*1]:Transmits when Recorder is playing or recording (Internal Clock)

1-4 UNIVERSAL SYSTEM EXCLUSIVE MESSAGES (DEVICE INQUIRY REPLY)

Byte[H]	Description
F0	Exclusive Status
7E	Non Realtime Message
0g	MIDI Global Channel (Device ID)
06	Inquiry Message
02	Identity Reply
42	KORG ID (Manufacturers ID)
43	C-series ID (Family ID (LSB))
00	(Family ID (MSB))
ii	(Member ID (LSB))
00	(Member ID (MSB))
xx	(Minor Ver. (LSB))
xx	(Minor Ver. (MSB))
xx	(Major Ver. (LSB))
xx	(Major Ver. (MSB))
F7	End Of Exclusive

Transmits when INQUIRY MESSAGE REQUEST Received

ii = 0D (C-700)
 = 1D (C-550)

1-5 STRUCTURE OF KORG SYSTEM EXCLUSIVE MESSAGES

1st Byte = 1111 0000 : Exclusive Status
 2nd Byte = 0100 0010 : KORG ID
 3rd Byte = 0011 gggg : Format ID g:GloalCh.
 4th Byte = 0100 0011 : C-series ID
 5th Byte = 0fff ffff : Function Code
 6th Byte = 0ddd dddd : Data
 :
 LastByte = 1111 0111 : End of Exclusive

2.RECOGNIZED RECEIVE DATA

2-1 CHANNEL MESSAGES

Status [Hex]	Second [H] [D]	Third [H] [D]	Description
8n	kk (kk)	vv (vv)	Note Off vv=0~127
9n	kk (kk)	00 (00)	Note Off
9n	kk (kk)	vv (vv)	Note On vv=1~127
Bn	00 (00)	mm (mm)	Program Bank Select(MSB) [*1]
Bn	01 (01)	vv (vv)	Pitch Modulation Depth
Bn	02 (02)	vv (vv)	CutOff Modulation Depth
Bn	06 (06)	vv (vv)	Data Entry(MSB)
Bn	07 (07)	vv (vv)	Volume
Bn	20 (32)	11 (11)	Program Bank Select(LSB) [*1]
Bn	26 (38)	vv (vv)	Data Entry(LSB)
Bn	40 (64)	vv (vv)	Damper Pedal
Bn	42 (66)	vv (vv)	Sostenuto Off/On
Bn	43 (67)	vv (vv)	Soft Pedal
Bn	48 (72)	vv (vv)	Release Time [*3]
Bn	49 (73)	vv (vv)	Attack Time [*3]
Bn	5C (92)	vv (vv)	Effect1 Off/On
Bn	5E (94)	vv (vv)	Effect2 Off/On
Bn	64(100)	rl (rl)	RPN LSB [*2]
Bn	65(101)	rm (rm)	RPN MSB [*2]
Bn	78(120)	00 (0)	All Sound Off
Bn	79(121)	00 (0)	Reset All Controller
Bn	7A(122)	00/7F (0/127)	Local Control Off/On
Bn	7B(123)	00 (0)	All Note Off
Cn	pp (pp)	- -	Program Change [*1]
Dn	vv (vv)	- -	Channel Pressure
En	bb (bb)	bb (bb)	Pitch Bender Change

n : MIDI Channel No.(0~15)

vv: Value

[*1]: MIDI In :Program

C-700

mm,11,pp = 00,04,00~06 :PIANO1~STRINGS
 = 38,00,00~7F :GM1~GM128
 = 3E,00,00~07 :Drum1
 = 3E,00,08~0F :Drum2
 = 3E,00,10~17 :Drum3
 = 3E,00,18 :Drum4
 = 3E,00,19 :Drum5
 = 3E,00,1A~1F : (Drum4)
 = 3E,00,20~27 :Drum6
 = 3E,00,28~2F :Drum7
 = 3E,00,30~37 :Drum8
 = 3E,00,38~7F : (Drum1)

C-550

mm,11,pp = 00,04,00~06 :PIANO1~STRINGS
 = 38,00,20~27 :Bass1~Bass8
 = 3E,00,00~07 :Drum1

[*2]: rm,rl = 00,00 : Pitch Bend Sensitivity
 = 00,01 : Fine Tune
 = 00,02 : Coarse Tune

[*3]: vv < 40 : Fast
 = 40 : No change
 > 40 : Slow

2-2 SYSTEM COMMON MESSAGES

Status [Hex]	Second [H] [D]	Third [H] [D]	Description
F2	11 (11)	hh (hh)	Song Position Pointer
F3	ss (ss)	- (-)	Song Select

Received when in SONG mode (External Clock)

2-3 SYSTEM REALTIME MESSAGES

Status[H]	Description	
F8	Timing Clock	[*1]
FA	Start	[*1]
FB	Continue	[*1]
FC	Stop	[*1]
FE	Active Sensing	

[*1]: Received when in SONG mode (External Clock)

2-4 UNIVERSAL SYSTEM EXCLUSIVE MESSAGE (NON REALTIME)

Byte[H]	Description
F0	Exclusive Status
7E	Non Realtime Message
gg	MIDI Channel [*1]
0a	Sub ID 1 [*2]
0b	Sub ID 2 [*2]
F7	End Of Exclusive

[*1]: gg = 00~0F : Received if Global Channel
 = 7F : Received on any Channel

[*2]: 0a,0b = 06,01 : Inquiry Message Request
 = 09,01 : General MIDI Mode On

2-5 UNIVERSAL SYSTEM EXCLUSIVE MESSAGE (REALTIME)

Byte[H]	Description
F0	Exclusive Status
7F	Realtime Message
gg	MIDI Channel [*1]
0a	Sub ID 1 [*2]
0b	Sub ID 2 [*2]
11	Value (LSB) [*2]
mm	Value (MSB) [*2]
F7	End Of Exclusive

[*1]: gg = 00~0F : Received if Global Channel
 = 7F : Received on any Channel

[*2]: 0a,0b = 04,01 : Master Volume (mm,11 = 00,00 ~ 7F,7F : Min~Max)
 = 04,02 : Master Ballance (mm,11 = 00,00 ~ 40,00 ~ 7F,7F : L~Center~R)

3.MIDI EXCLUSIVE FORMAT (R:Receive, T:Transmit)

ALL SONG DATA DUMP

R/T

Byte	Description
F0,42,3g,43	EXCLUSIVE HEADER
0100 1000 (48)	ALL SONG DATA DUMP
0sss ssss (ss)	Seq.Data Size
:	:
0ddd dddd (dd)	Control Data
:	:
0ddd dddd (dd)	Sequence Data
:	:
1111 0111 (F7)	EOX